

cancel
ID NO:10, SEQ ID NO:12, SEQ ID NO:14, SEQ ID NO:16, SEQ ID NO:18,
SEQ ID NO:20, SEQ ID NO:22, or SEQ ID NO:24, or a variant or
subsequence thereof, for immunising a mammal[, such as a human,]
against Chlamydia pneumoniae.

Cancel claims 14 and add claim 16:

92 --16. The method of claim 13 wherein the protein is in
undenatured form.--

[Rewrite claim 15 as follows:]

15 (amended). A method of immunizing a mammal against Chlamydia pneumoniae which comprises [Use] use of an immunologically effective amount of a nucleic acid fragment with the nucleotide sequence shown in SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:7, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13, SEQ ID NO:15, SEQ ID NO:17, SEQ ID NO:19, SEQ ID NO:21, or SEQ ID NO:23, or a variant or subsequence of said nucleotide sequence which has a sequence homology of at least 50% and wherein a subsequence of 100 nucleic acids or lower shows a homology of at least 80% with any of the mentioned nucleotide sequences encoding a protein used for effecting in vivo expression of antigens against Chlamydia pneumoniae, to immunize a mammal, by administering said nucleic acid fragment under conditions conducive to expression of said protein and subsequent immunization of said mammal by said protein [in a mammal such as a human].